

Attorney Docket No. : 5762.200-US
Application Serial No.: 09/577,694
Filed: May 22, 2000
Inventors: Sorensen et al.

In the Claims

Please amend the claims as follows:

Claims (1-62) – Cancelled

63. (New) A stopper comprising an injection-mouldable material made of a butyl based rubber and a polyolefin wherein the polyolefin is not an elastomer, and wherein the butyl based rubber is present in an amount of 70-90 % by weight and the polyolefin is present in an amount of 30-10 % by weight, and wherein the combination of the butyl based rubber and the polyolefin results in a reduced leakage of substances compared to the leakage of substances from a stopper made from a butyl based rubber alone.

64. (New) The stopper according to claim 63 having a hardness of 40-80 Shore A.

65. (New) The stopper according to the claim 63 having a hardness of 45-75 Shore A.

66. The stopper according claim 63 having a hardness of 65-75 Shore A.

66. (New) The stopper according to claim 63 for a medical container, comprising a blend of 13-25 % by weight of a polyolefin and 75-87 % by weight of a butyl based rubber.

67. (New) The stopper according to claim 63, wherein the polyolefin is selected from the group of polyolefines consisting of polypropylene and polyethylene.

68. (New) The stopper claim 63, wherein the butyl based rubber is halogenated butyl.

69. (New) The stopper claim 63, wherein the butyl based rubber is a bromobutyl.

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70. (New) The stopper according to claim 63, wherein the butyl based rubber is at least partially cross-linked.
71. (New) The stopper according to claim 63 wherein the stopper has a substantially circular cross-section.
72. (New) A medical container for storing a liquid medicament, comprising a distal and a proximal end portion and at least one wall defining an interior space for such liquid medicament, wherein one of the end portions comprises a stopper comprising: an injection-mouldable material made of a butyl based rubber and a polyolefin wherein the polyolefin is not an elastomer, and wherein the butyl based rubber is present in an amount of 70-90 % by weight and the polyolefin is present in an amount of 30-10 % by weight, and wherein the combination of the butyl based rubber and the polyolefin results in a reduced leakage of substances compared to the leakage of substances from a stopper made from a butyl based rubber alone.
73. (New) The medical container according to claim 72, wherein the at least one wall is non-flexible.
74. (New) A process of producing a stopper as defined in claim 1, comprising the steps of:
- heating a butyl based rubber present in an amount of 70-90 % by weight, and melting a polyolefin present in an amount of 30-10 % by weight, wherein the polyolefin is non-elastomeric,
 - homogenising the stopper material,
 - moulding the stopper material by injection moulding and

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- obtaining the stopper.

75. (New) A process of producing a stopper according to claim 74, wherein the stopper is moulded on to a rod by the means of two-component injection moulding.